


XMill: an efficient compressor for XML data

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KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#),
[index terms](#)

We describe a tool for compressing XML data, with applications in data exchange and archiving, which usually achieves about twice the compression ratio of gzip at roughly the same speed. The compressor, called XMill, incorporates and combines existing compressors in order to apply them to heterogeneous XML data: it uses zlib, the library function for gzip, a collection of datatype specific compressors for simple data types, and, possibly, user defined compressors for application specific data ...


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1 [An analysis of XML database solutions for the management of MPEG-7 media descriptions](#)

Utz Westermann, Wolfgang Klas

 December 2003 **ACM Computing Surveys (CSUR)**, Volume 35 Issue 4

Publisher: ACM Press

 Full text available: [pdf\(448.76 KB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

MPEG-7 constitutes a promising standard for the description of multimedia content. It can be expected that a lot of applications based on MPEG-7 media descriptions will be set up in the near future. Therefore, means for the adequate management of large amounts of MPEG-7-compliant media descriptions are certainly desirable. Essentially, MPEG-7 media descriptions are XML documents following media description schemes defined with a variant of XML Schema. Thus, it is reasonable to investigate curren ...

Keywords: MPEG-7, XML database systems, multimedia databases

2 [Computers in education and business: ERIC7: an experimental tool for Content-Based Image encoding and Retrieval under the MPEG-7 standard](#)

L. Gagnon, S. Foucher, V. Gouaillier

 January 2004 **Proceedings of the winter international symposium on Information and communication technologies WISICT '04**

Publisher: Trinity College Dublin

 Full text available: [pdf\(585.42 KB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#)

ERIC7 is a software test-bed that implements Content-Based Image Retrieval (CBIR) compatible with the MPEG-7 multimedia standard. In its current version, the system allows automatic MPEG-7/XML encoding of up to 15 color, texture and shape descriptors with two query modes: search from example images and database clustering. In addition, the system allows to navigate graphically among the various descriptors in the XML files in order to easily track encoding results and system performance. The sys ...

3 [Video analysis, retrieval, and summarizing: Automatic generation of MPEG-7 compliant XML document for motion trajectory descriptor in sports video](#)

Yi Haoran, Deepu Rajan, Chia Liang-Tien

 November 2003 **Proceedings of the 1st ACM international workshop on Multimedia databases MMDB '03**